Dose and Indications

Tachyarrhythmia (e.g. supra ventricular tachyarrhythmia), hypertension

Oral

1 to 2mg/kg once a day

Preparation and Administration

The oral mixture contains 5mg/mL of atenolol

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<tr>
<th>Dose</th>
<th>1mg</th>
<th>2mg</th>
<th>3mg</th>
<th>4mg</th>
<th>5mg</th>
<th>6mg</th>
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<tbody>
<tr>
<td>Volume</td>
<td>0.2mL</td>
<td>0.4mL</td>
<td>0.6mL</td>
<td>0.8mL</td>
<td>1mL</td>
<td>1.2mL</td>
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Atenolol may be given without regard to feeds

Adverse Effects

Common

Cold extremities, diarrhoea, bradycardia, hypotension, heart failure, heart block, alteration of glucose and lipid metabolism

Infrequent

Rash, acute urinary retention, nasal congestion

Rare

Hypersensitivity reactions, thrombocytopenia, liver function abnormalities, alopecia, cardiac arrest
South Australian Neonatal Medication Guidelines

Atenolol
5mg/mL oral mixture

Monitoring
- Heart rate, blood pressure
- Blood glucose at initiation of therapy

Practice Points
- When stopping treatment, reduce dose gradually as abrupt withdrawal may exacerbate arrhythmias or precipitate rebound hypertension.
- If dose is greater than 1mg/kg, it can be split into two doses.
- As a selective β1 agonist atenolol is less likely to cause hypoglycaemia compared to propranolol.
- May need a dose reduction in severe renal impairment.
- Atenolol is not available in a parenteral form. If IV therapy required, consult paediatric cardiologist.

Document Ownership & History

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- If so, which version? V1
- Does this policy replace another policy with a different title? N
- If so, which policy (title)?

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<th>Who approved New/Revised Version</th>
<th>Reason for Change</th>
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<td>V1.1</td>
<td>SA Health Safety and Quality Strategic Governance Committee</td>
<td>Review date extended to 5 years following risk assessment. New template</td>
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